

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name <u>CORNELIS VAN DERK</u>		For Insurance Company Use: Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>46723 65TH STREET EAST</u>		Company NAIC Number	
City <u>LANCASTER</u>	State <u>CA</u>	ZIP Code <u>93535</u>	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>APN 3382-005-019</u>			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>(RESIDENTIAL WITH DETACHED GARAGE)</u>			
A5. Latitude/Longitude: Lat. <u>34°43'57.27"N</u> Long. <u>118°00'53.51"W</u>		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983	
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.			
A7. Building Diagram Number <u>1B</u>			
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft		a) Square footage of attached garage <u>N/A</u> sq ft	
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>	
c) Total net area of flood openings in A8.b <u>N/A</u> sq in		c) Total net area of flood openings in A9.b <u>N/A</u> sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>N/A</u>		d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>N/A</u>	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number <u>COUNTY OF LOS ANGELES 065043</u>		B2. County Name <u>LOS ANGELES</u>		B3. State <u>CA</u>	
B4. Map/Panel Number <u>06037C0450</u>	B5. Suffix <u>F</u>	B6. FIRM Index Date <u>9-26-2008</u>	B7. FIRM Panel Effective/Revised Date <u>9-26-2008</u>	B8. Flood Zone(s) <u>A</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>2361.18</u>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input checked="" type="checkbox"/> Community Determined <input checked="" type="checkbox"/> Other (Describe) <u>HYDROLOGY STUDY (COUNTY APPROVED)</u>					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.

Benchmark Utilized Vertical Datum LANCASTER, QUAD 2004
Conversion/Comments 2358.957 L 3740 NAVD1988

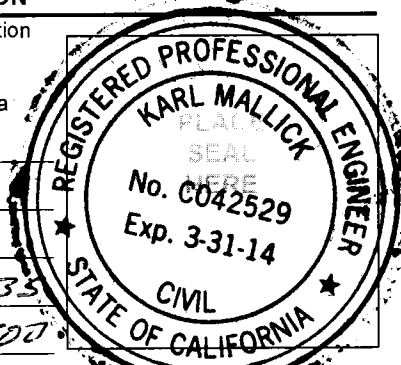
Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>2362.25</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab)	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG)	<u>2359.62</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG)	<u>2360.44</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001. ☐
Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

Certifier's Name <u>KARL MALLICK</u>	License Number <u>42529</u>
Title <u>ENGINEER</u>	Company Name <u>CCL ENGINEERING, INC.</u>
Address <u>43434 SANUAYO ST.</u>	City <u>LANCASTER</u>
	State <u>CA</u>
Signature <u>K. Mall</u>	Date <u>8/11/12</u>
	Telephone <u>(661) 949-9507</u>
	ZIP Code <u>93535</u>



IMPORTANT: In these spaces, copy the corresponding information from Section A.		For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 46723 65TH STREET EAST		Policy Number
City LANCASTER	State CA	ZIP Code 93535
		Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments	
Signature	Date
<input type="checkbox"/> Check here if attachments	

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E3. Attached garage (top of slab) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name			
Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			
<input type="checkbox"/> Check here if attachments			

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

- G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. ☐ The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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- G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ ☐ feet ☐ meters (PR) Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ ☐ feet ☐ meters (PR) Datum _____
- G10. Community's design flood elevation _____ ☐ feet ☐ meters (PR) Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

☐ Check here if attachments

Flood Elevation Analysis

APN 3382-005-019
46723 65TH Street East
Lancaster, California
County of Los Angeles

PREPARED BY: Nathan O. Rippee DATE 9/15/09
Nathan O. Rippee

REVIEWED BY: NOUR SINAYOKO DATE 9/15/09

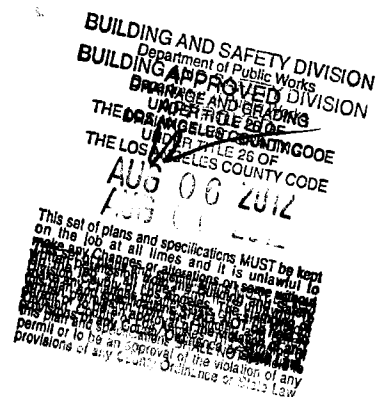


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BUILDING AND SAFETY DIVISION
Department of Public Works
APPROVED
DRAINAGE AND GRADING
UNDER TITLE 26 OF
THE LOS ANGELES COUNTY CODE

AUG 06 2012

This set of plans and specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Building and Safety Division, County of Los Angeles. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any County Ordinance or any other law.

SECTION I STUDY TEXT

INTRODUCTION & ANALYSIS

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Investigation

Introduction & Analysis

APN 3382-005-019 (project site) is located at 46723 65th Street East in the City of Lancaster California. The project site is bound on the north by vacant property (APN 3382-005-17&018), on the east 65th Street East, on the south by vacant property (APN 3382-005-020&023) and on the west by vacant property (APN 3382-005-029) As shown on Figure 4 of this report the project site resides in the know flood hazard "Zone A" designation. This report has been prepared in order to analyze the storm water known to be tributary to the portion of flood zone A adjacent to the project site, and to determine a flood elevation in relationship to existing or future structure/ dwelling(s) on the project site. A water surface profile was developed using the cross section line shown on Figure 2. The cross section from Figure 2 has been developed using run-off data obtained from the Los Angeles County Regional drainage and grading department (Lancaster office) and field survey data collected along the section line shown on Figure 2.

As previously mentioned the cross section from Figure 2, which was used to develop the water surface profile, has been based on run-off data provided from the Los Angeles County Regional drainage and grading department (Lancaster office). The number provided from that department was 33,900cfs. Based on the run-off rate provided and the field survey data, the cross section on Figure 2 showed a depth of 1.80' above the lowest point along the section (2359.0) with an average velocity of 1.86fps. This resulted in a flood elevation of 2361.18 across the section analyzed (see figure 2). The field survey also recorded the finished floor elevation (2362.25) for the existing structure within the project site.

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SECTION III

SECTION ANALYSIS OUTPUT

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ood Elevation Analysis

res, Rick / 46723 65th Street East / Lancaster, CA (APN 3382-005-019)

 ***** CHANNEL FLOW CALCULATIONS *****

CALCULATE DEPTH OF FLOW GIVEN:

Channel Slope = .003570 (Ft./Ft.) = .3570 %

Given Flow Rate = 33900.00 Cubic Feet/Second

SEE CROSS SECTION ON FIGURE 2

*** OPEN CHANNEL FLOW - IRREGULAR CHANNEL ***

NOTE: Elevation values adjusted so minimim elevation
 or invert elevation is set to ZERO feet

IRREGULAR CHANNEL INFORMATION

- Information Entered for Subchannel Number 1 :

Point number "X" Coordinate "Y" Coordinate

1	.00	2361.00
2	3255.40	2359.00
3	5418.20	2359.50
4	8334.90	2359.75
5	12930.40	2360.13

Mannings "n" Friction Factor = .060

+++++
 Subchannel Flow, Calc. = 33898.77 (CFS)
 Subchannel Flow Top Width(Ft.) = 12930.40
 Subchannel Flow Velocity(Ft./Sec.) = 1.860
 Subchannel Flow Area(Sq. Ft.) = 18223.60
 Subchannel Froude Number = .276

 Computed Irregular Channel Flow = 33900.00 (CFS)
 Irregular Channel Normal Depth Above Invert Elev. (Ft.) = 2.18
 Average velocity of channel(s) (Ft./Sec.) = 1.86
 !!WARNING: WATER IS ABOVE LEFT OR RIGHT BANK ELEVATIONS.
 Flow capacity is extrapolated by increasing bank heights

CRITICAL FLOW CALCULATIONS FOR CHANNEL NO. 1:

Subchannel Critical Flow Top Width(Ft.) = 11822.48
 Subchannel Critical Flow Velocity(Ft./Sec.) = 4.521
 Subchannel Critical Flow Area(Sq. Ft.) = 7498.06
 Froude Number Calculated = 1.000
 Subchannel Critical Depth above invert elevation = 1.319

***** CHANNEL CROSS-SECTION PLOT *****

Depth of flow = 2.18 Feet , = "W"

Critical depth for Channel No.1= 1.32 Feet , = "c"

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This drawing and application MUST be kept
 on file at all times and is available to
 the public for inspection and copying
 at the Building and Safety Division
 of the Los Angeles County Department of
 Public Works, 1000 West 12th Street,
 Los Angeles, CA 90007.

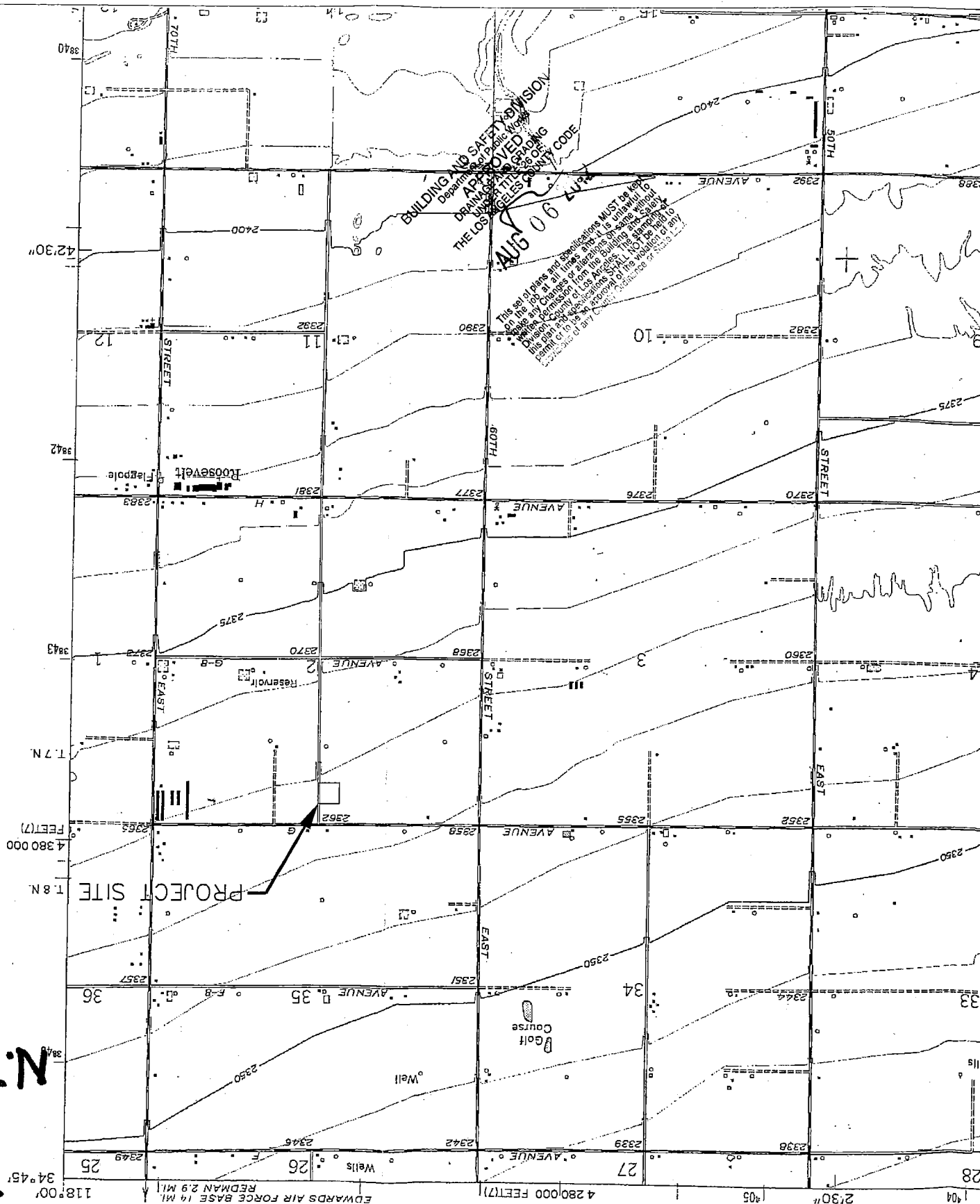
FIGURE 1

APN 3382-005-019

N.T.S.

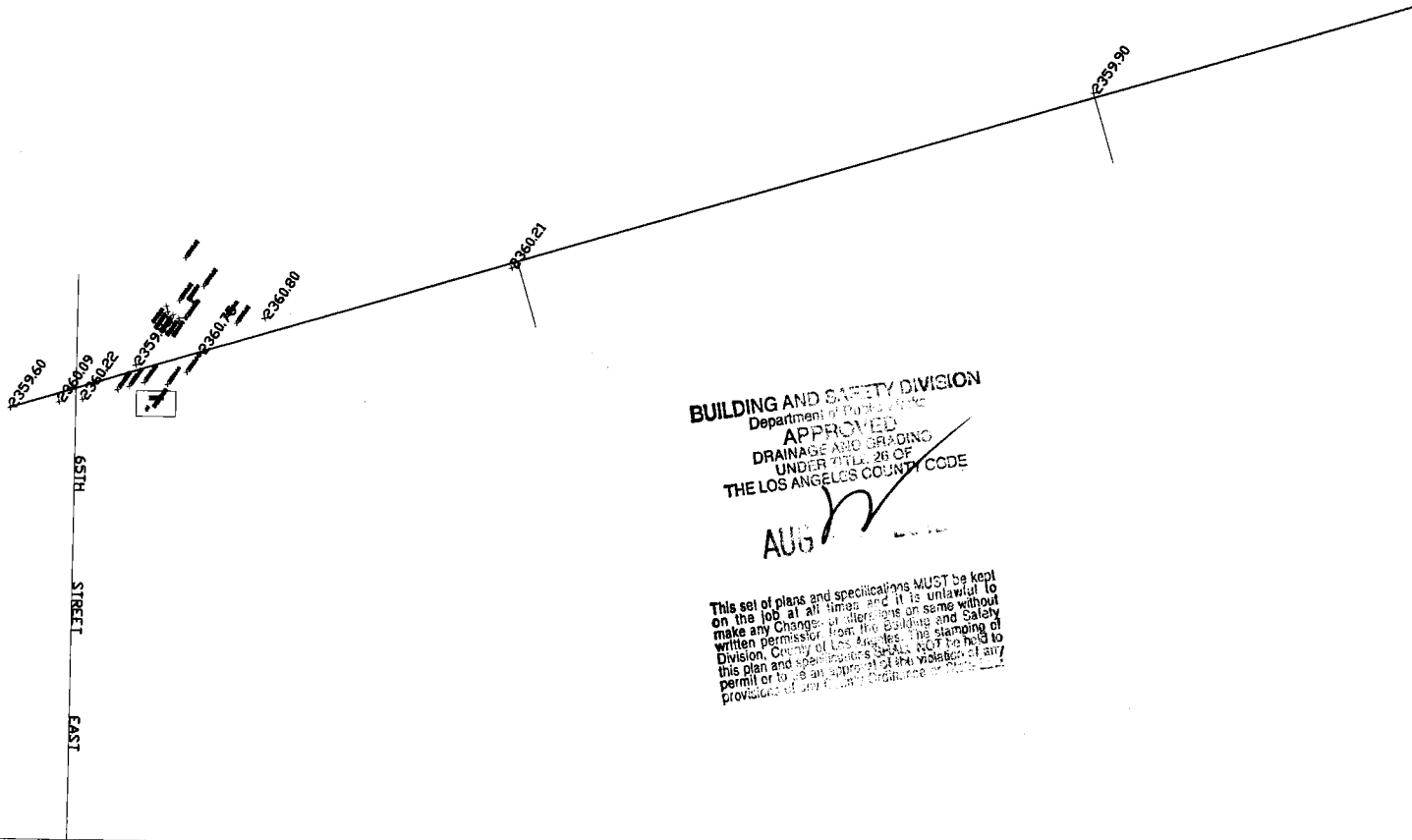


2463 IV SW
(REDMAN)



LANCASTER EAST QUADRANGLE
CALIFORNIA-LOS ANGELES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE 1/4 LANCASTER 15' QUADRANGLE
EDWARDS AIR FORCE BASE 14 MI.
REDMAN 2.9 MI.

LOS ANGELES COUNTY
BOARD OF SUPERVISORS



BUILDING AND SAFETY DIVISION
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